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**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT**

PERMIT NO.: 1984-ED-0517

DATE ISSUED: May 18, 1984

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS

LOG NUMBERS: 0517-84

PREPARED BY: Daniel Engineering

SUBJECT: CPC INTERNATIONAL (Summit - Argo, Cook County) - Non-Contact Cooling Water Outfall

PERMITTEE TO CONSTRUCT

CPC International
6400 Archer Road
Summit-Argo, Illinois 60501

Permit is hereby granted to the above designated permittee to construct water pollution control facilities described as follows:

Construction of approximately 2700 ft. of 42-inch pipe and an outfall structure, and upgrading of an existing pumping station to 32,000 gpm maximum capacity, to convey non-contact cooling water from a wet corn milling plant to the Chicago Sanitary and Ship Canal. Design Average Flow 30 mgd, Design Maximum Flow 46 mgd.

This Permit is issued subject to the following Special Condition(s). If such Special Condition(s) require(s) additional or revised facilities, satisfactory engineering plan documents must be submitted to this Agency for review and approval for issuance of a Supplemental Permit.

SPECIAL CONDITION 1: This permit is for construction only and does not allow a discharge to waters of the State from the above-described facilities prior to issuance of an NPDES Permit for the discharge.

EPA Region 5 Records Ctr.



381561

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM:TRK:bjh/0966D/42
cc: EPA - Region 2
Daniel Engineering
Permit Section
Records Unit

DIVISION OF WATER POLLUTION CONTROL

Thomas G. McSwiggin
Thomas G. McSwiggin, P.E.
Manager, Permit Section

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

1/2
IL 532-0357
ADM 39
054-002

Subject CPC
Date NCCW Outfall
Reviewed by T. Kluge

Date 5/10/84

Applicant: CPC International
6400 Archer Rd
Summit - Argo IL 60501

Prepared by: J.W. Chapman, Director of Regulatory Affairs
and
Daniel Engineering
Greenville SC

Proposal: As part of the expansion and rebuilding of its Argo facility, CPC is replacing its barometric condensers with non-contact heat exchangers. Cooling water will be withdrawn from the Sanitary and Ship canal using an existing intake structure and piping. A new discharge pipe and outfall structure will be constructed under the intake. Process wastewater will continue to be discharged to MSB ES.

General: Maximum cooling water use 11.5 mgd (approximate)
Max temp max 20° F.

$$\text{Max heat load} = \frac{11.5 \times 10^6 \times 2.34 \times 20}{24} = 0.43 \text{ billion Btu/hr}$$

$$7210 = 1455 \text{ cfs} = 942 \text{ mgd}$$

Max temp of canal water (USGS Lockport station) 77.9°F

At max heat load + temp and min flow discharge will result in max temp of 79° or 1° temp increase

BECAUSE Temp limits $\leq 93^\circ\text{F}$ 95% of the time
 $\leq 100^\circ\text{F}$ 100% of the time

CPC applied for NPDES permit concurrently with this app; however, NPDES cannot be issued as quickly

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

2/2
IL 532-0357
ADM 39
054-002

Subject CPC

Data _____

Reviewed by _____ Date _____

As this permit so const. permit will be conditioned
on issuance of NPDES.

Technical details of construction:

2700 ft. of 42" dia. steel pipe, partially buried and
partially above ground to avoid conflicts with existing utilities.
Four pumps provided with total capacity of 32,000 gpm max.
(21,000 gpm normal operation). Note - design related
to flow is ultimate future capacity.

Out structure designed to minimize effect on receiving
stream has been approved by City of Chicago. Also
no flow line from influent pipe structures.

Approved by _____ 4/17 app. rec'd 4/17
Solid app. rec'd 4/19
Solid app. rec'd 5/10

Approved by _____ const. cert. permit

FOR IEPA USE:
LOG NO.
DATE RECEIVED:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
PERMIT SECTION
Springfield, Illinois 62706

0517A-84
RECEIVED

APPLICATION FOR PERMIT OR CONSTRUCTION APPROVAL

WPC-PS-1

MAY 11 1984

1. NAME AND LOCATION:

Name of project CPC International

Municipality or Township: Summit-Argo County: Cook

Environmental Protection Agency
WPC—Permit Log In

2. BRIEF DESCRIPTION OF PROJECT: Non-contact cooling water discharge to
Chicago Sanitary and Ship Canal

3. DOCUMENTS BEING SUBMITTED: If the project involves any of the items listed below, submit the corresponding schedule, and check the appropriate spaces.

PROJECT Cooling Water Discharge to Canal

Private Sewer Connection A _____
Public Sewer Extension B _____
Sewer Extension Construct Only C _____
Sewage Treatment Works D _____
Excess Flow Treatment E _____
Lift Station/Force Main F _____
Sludge Disposal G _____

Spray Irrigation H _____
Septic Tanks I _____
Industrial Treatment or Pretreatment J _____
Cyanide Acceptance L _____
Updating Cyanide Acceptance Form M _____
Waste Characteristics N _____

LAND TRUST. Is the project identified in item number 1 herein, for which a permit is requested, to be constructed on land which is the subject of a trust? ☐ Yes ☒ No

If yes, item number 6.1.1 herein must be signed by a beneficiary, trustee or trust officer, and a trust disclosure must be submitted (see instructions, item 3).

Plans: Title See Sketch SK-CE1

Number of Pages: _____

Specifications: Title _____

Number of Books/Pages: _____

Other Documents (Please Specify) _____

4. THIS IS AN APPLICATION FOR (CHECK):

_____ A. Joint Construction And Operating Permit
_____ B. Authorization To Construct (See Instructions) NPDES Permit No. IL00 _____ Issue Date _____
☒ C. Construct Only Permit (Does Not Include Operations)
_____ D. Operate Only Permit (Does Not Include Construction)

5. CERTIFICATIONS AND APPROVAL:

5.1 Certificate by Design Engineer

I hereby certify that I am familiar with the information contained in this application, including the attached schedules indicated above, and that to the best of my knowledge and belief such information is true, complete and accurate. The plans and specifications (specifications other than Standard Specifications or local specifications on file with this Agency) as described above were prepared by me or under my direction.

ENGINEER Charles H. Huether 6231963
NAME REGISTRATION NUMBER

SEAL

FIRM: Daniel International Corporation

ADDRESS Daniel Building, Greenville, SC 29602

PHONE NUMBER: 803-281-4873

SIGNATURE Charles H. Huether

6. CERTIFICATIONS AND APPROVALS FOR PERMITS:

6.1 Certificate by Applicant(s)

I/We hereby certify that I/we have read and thoroughly understand the conditions and requirements of this Application, and am/are authorized to sign this application in accordance with the Rules and Regulations of the Illinois Pollution Control Board.
I/We hereby agree to conform with the Standard Conditions and with any other Special Conditions made part of this Permit.

6.1.1 NAME OF APPLICANT FOR PERMIT OR AUTHORIZATION TO CONSTRUCT

6400 Archer Road Summit-Argo Illinois 60501
STREET CITY STATE ZIP CODE

SIGNATURE [Signature]

TITLE Director Regulatory Affairs

ORGANIZATION CPC International

FOR IEPA USE:
LOG NO.
DATE RECEIVED:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
PERMIT SECTION
Springfield, Illinois 62706

APPLICATION FOR PERMIT OR CONSTRUCTION APPROVAL

WPC-PS-1

1 NAME AND LOCATION:

Name of project: CPC International
Municipality or Township Summit-Argo County: Cook

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Chicago Sanitary and Ship Canal

3 DOCUMENTS BEING SUBMITTED: If the project involves any of the items listed below, submit the corresponding schedule, and check the appropriate spaces.

PROJECT Cooling Water Discharge to Canal

Private Sewer Connection	A	Spray Irrigation	H
Public Sewer Extension	B	Septic Tanks	I
Sewer Extension Construct Only	C	Industrial Treatment or Pretreatment	J
Sewage Treatment Works	D		
Excess Flow Treatment	E	Cyanide Acceptance	L
Lift Station/Force Main	F	Updating Cyanide Acceptance Form	M
Sludge Disposal	G	Waste Characteristics	N

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Plans: Title See Sketch SK-CE1

Number of Pages: _____

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ENGINEER _____
NAME _____ REGISTRATION NUMBER _____ SEAL _____

FIRM: _____

ADDRESS: _____

PHONE NUMBER: _____

SIGNATURE _____

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6400 Archer Road Summit-Argo Illinois 60501
STREET CITY STATE ZIP CODE

SIGNATURE _____

TITLE Director Regulatory Affairs ORGANIZATION CPC International

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

FOR IEPA USE:
LOG NO. 0517-84
DATE RECEIVED:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
PERMIT SECTION
Springfield, Illinois 62706

RECEIVED

APPLICATION FOR PERMIT OR CONSTRUCTION APPROVAL

APR 17 1984

WPC-PS-1

Environmental Protection Agency
WPC — Permit Log In

1. NAME AND LOCATION:

Name of project: CPC International

Municipality or Township: Summit-Argo County: Cook

2. BRIEF DESCRIPTION OF PROJECT: Non-contact cooling water discharge to
Chicago Sanitary and Ship Canal

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Sludge Disposal G _____

Spray Irrigation H _____
Septic Tanks I _____
Industrial Treatment or Pretreatment J ☒
Cyanide Acceptance L _____
Updating Cyanide Acceptance Form M _____
Waste Characteristics N _____

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Plans: Title See Sketch SK-CF1

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ENGINEER _____
NAME _____ REGISTRATION NUMBER _____ SEAL _____

FIRM: _____

ADDRESS: _____

PHONE NUMBER: _____

SIGNATURE _____

6. CERTIFICATIONS AND APPROVALS FOR PERMITS:

6.1 Certificate by Applicant(s)

I/We hereby certify that I/we have read and thoroughly understand the conditions and requirements of this Application, and am/are authorized to sign this application in accordance with the Rules and Regulations of the Illinois Pollution Control Board.
I/We hereby agree to conform with the Standard Conditions and with any other Special Conditions made part of this Permit.

6.1.1 NAME OF APPLICANT FOR PERMIT OR AUTHORIZATION TO CONSTRUCT

6400 Archer Road Summit-Argo Illinois 60501
STREET CITY STATE ZIP CODE

SIGNATURE _____

TITLE Director Regulatory Affairs ORGANIZATION CPC International

6.1.2 NAME OF APPLICANT FOR PERMIT TO OWN AND OPERATE _____

STREET CITY STATE ZIP CODE

SIGNATURE _____

TITLE _____

6.2 Attested (Units of Government)

DATE _____ SIGNATURE _____ TITLE _____

(CITY CLERK, VILLAGE CLERK, SANITARY
DISTRICT CLERK, ETC.)

6.3 Applications from non-governmental applicants which are not signed by the owner, must be signed by a principal executive officer of at least the level of vice president, or his duly authorized representative.

6.4 CERTIFICATE BY INTERMEDIATE SEWER OWNER

I hereby certify that (Please check one):

- _____ 1. The sewers to which this project will be tributary have adequate reserve capacity to transport the wastewater that will be added by this project without causing a violation of the Environmental Protection Act or Subtitle C, Chapter I, or
- _____ 2. The Illinois Pollution Control Board, in PCB _____ dated _____, granted a variance from Subtitle C, Chapter I to allow construction and operation of the facilities that are the subject of this application.

Name and location of sewer system to which this project will be tributary:

SEWER SYSTEM OWNER _____

STREET CITY STATE ZIP CODE

SIGNATURE _____ DATE _____ TITLE _____

6.4.1 ADDITIONAL CERTIFICATE BY INTERMEDIATE SEWER OWNER

I hereby certify that (Please check one):

- _____ 1. The sewers to which this project will be tributary have adequate reserve capacity to transport the wastewater that will be added by this project without causing a violation of the Environmental Protection Act or Subtitle C, Chapter I, or
- _____ 2. The Illinois Pollution Control Board, in PCB _____ dated _____, granted a variance from Subtitle C, Chapter I to allow construction and operation of the facilities that are the subject of this application.

Name and location of sewer system to which this project will be tributary:

SEWER SYSTEM OWNER _____

STREET CITY STATE ZIP CODE

SIGNATURE _____ DATE _____ TITLE _____

6.5 CERTIFICATE BY WASTE TREATMENT WORKS OWNER

I hereby certify that (Please check one):

- _____ 1. The waste treatment plant to which this project will be tributary has adequate reserve capacity to treat the wastewater that will be added by this project without causing a violation of the Environmental Protection Act or Subtitle C, Chapter I, or
- _____ 2. The Illinois Pollution Control Board, in PCB _____ dated _____, granted a variance from Subtitle C, Chapter I to allow construction and operation of the facilities that are the subject of this application.

I also certify that the industrial waste discharges described in the application is capable of being treated by the treatment works, and such waste discharges will be in compliance with all currently applicable local, state or federal pretreatment requirements.

Name and location of waste treatment works to which this project will be tributary:

TREATMENT WORKS OWNER _____

STREET CITY STATE ZIP CODE

SIGNATURE _____ DATE _____ TITLE _____

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 11 1/2, Section 1038. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

FOR IEPA USE:
LOG #
DATE RECEIVED:

0517-84

RECEIVED

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
PERMIT SECTION
Springfield, Illinois 62706

APR 17 1984

Environmental Protection Agency
WPC — Permit Log In

SCHEDULE N WASTE CHARACTERISTICS

1. Name of Project Non-contact cooling water discharge

2. FLOW DATA

EXISTING

PROPOSED-DESIGN

2.1 Average Flow (gpd)

0

60 x 10⁶

2.2 Maximum Daily Flow (gpd)

0

61.5 x 10⁶

2.3 TEMPERATURE N.A. - Information not available

Time of
year

Ave. Intake
Temp. F

Avg. Effluent
Temp. F

Max. Intake
Temp. F

Max. Effluent
Temp. F

Max. Temp. Out-
side Mixing
Zone F

SUMMER

NA

NA

77.9 Max

97.9 Max

NA

WINTER

NA

NA

42.8 Min

62.8 Min

NA

2.4 Minimum 7-day, 10-year flow: 1700 cfs 1098.7 MGD.

2.5 Dilution Ratio: 1; 18

2.6 Stream flow rate at time of sampling _____ cfs _____ MGD. Not Applicable

3. CHEMICAL CONSTITUENT Existing Permitted Conditions _____; Existing conditions _____; Proposed Permitted Conditions _____

Type of sample: _____ grab (time of collection _____); _____ composite (Number of samples per day _____)

see instructions for analyses required)

Chicago Sanitary & Ship Canal Water Quality Data (USGS 1982) for Lockport Gauging Sta.

Constituent	RAW WASTE (mg/l)	TREATED EFFLUENT Avg. (mg/l) Max.	UPSTREAM SAMPLES (mg/l)	DOWNSTREAM SAMPLES (mg/l)
Ammonia Nitrogen (asN)				
Arsenic (total)				
Barium				
Boron				
BOD ₅				
Cadmium				
Carbon Chloroform Extract				
Chloride				
Chromium (total hexavalent)				
Chromium (total trivalent)				
Copper				
Cyanide (total)				
Cyanide (readily released @150°F & pH 4.5)				
Dissolved Oxygen				
Fecal Coliform				



	RAW WASTE (mg/l)	TREATED EFFLUENT Avg. (mg/l) Max.	UPSTREAM (mg/l)	DOWNSTREAM SAMPLES (mg/l)
Fluoride				
Hardness (as Ca CO ₃)				
Iron (total)				
Lead				
Manganese				
MIAS				
Mercury				
Nickel				
Nitrates (asN)				
Oil & Grease (hexane solubles or equivalents)				
Organic Nitrogen (as N)				
pH				
Phenols				
Phosphorous (as P)				
Radioactivity				
Selenium				
Silver				
Sulfate				
Suspended Solids				41 mg/l max 16 mg/l min
Total Dissolved Solids				
Zinc				
Others				
COD				45 mg/l max 12 mg/l min

1. SUMMARY

1. CPC International is currently planning a four phase expansion of its Argo Wet Corn Milling plant located in Bedford Park, Illinois.
2. The Argo plant manufactures high fructose corn syrup, corn starch, corn oil and germ, gluten and feed by-products.
3. Plant process wastewater will be discharged to the metropolitan sanitary district.
4. Cooling water will be obtained from the Chicago Sanitary and Ship Canal for once-through, non contact cooling. Spent cooling water will be discharged back to the Chicago Sanitary and Ship Canal.
5. Spent cooling water discharged to the Chicago Sanitary and Ship Canal shall meet the OSEPA guideline and will not violate any water quality criteria.

2. SITE DESCRIPTION

The Argo plant site is in the western part of the Village of Bedford Park, Illinois.

The site is bounded on the west by the Chicago Sanitary and Ship Canal; on the east by Archer Avenue; on the north by the Indiana Harbor Belt Railroad; and on the south by GATX.

The latitude and longitude coordinates of the site are approximately 87°49'15" and 41°46'30", respectively. A plant site vicinity map is shown in Figure 1 which follows.

The plant site is zoned as an industrial area. The existing site ground elevation ranges from 590 to 600 feet above sea level.

A layout of the plant site showing the location of canal water intake and outfall follows as Figure 2.

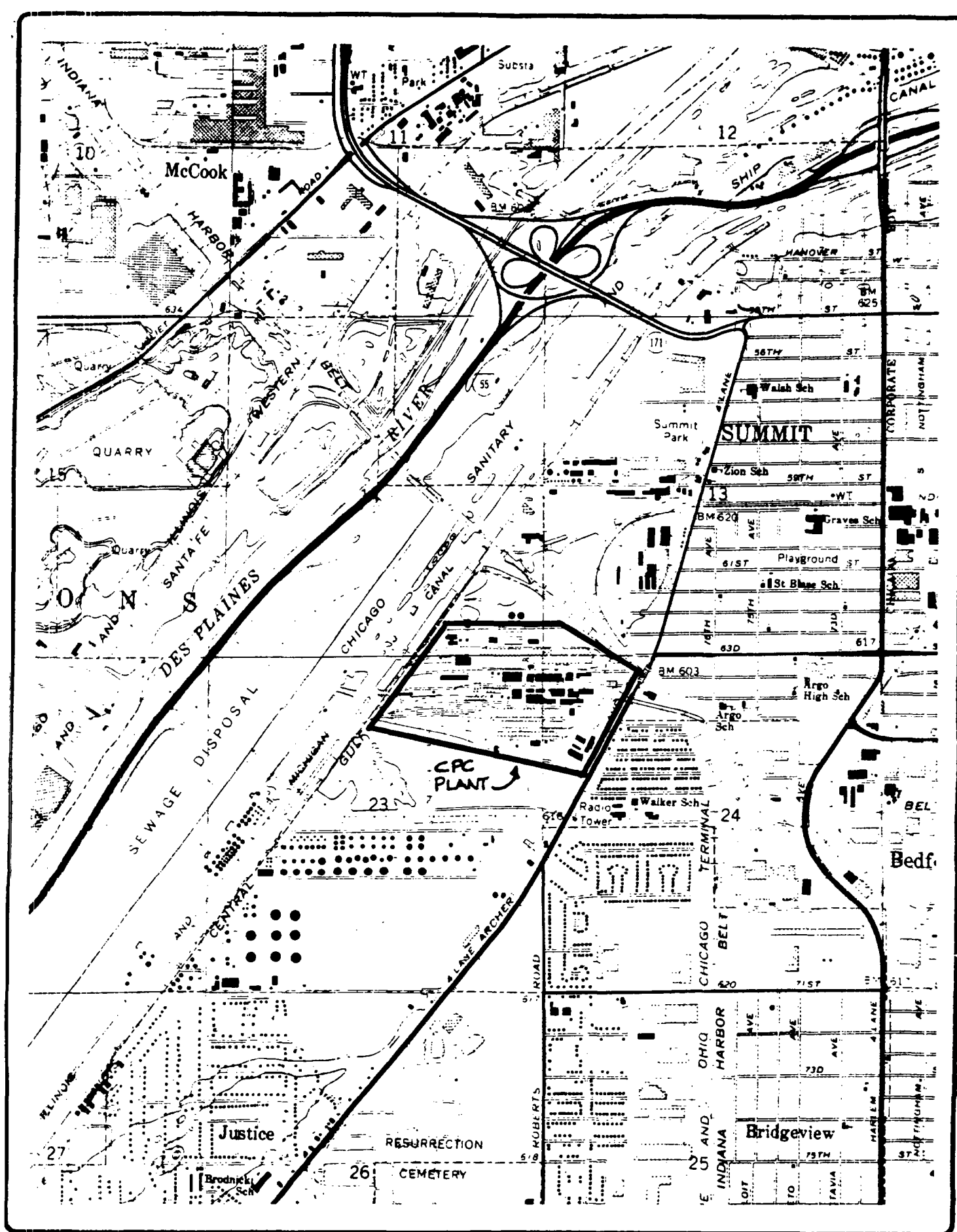
3. COOLING WATER SYSTEM


Cooling water is currently withdrawn from the Chicago Sanitary and Ship Canal at the rate of 31 MGD. Spent cooling water is currently discharged to the Municipal Sanitary District Sewer.

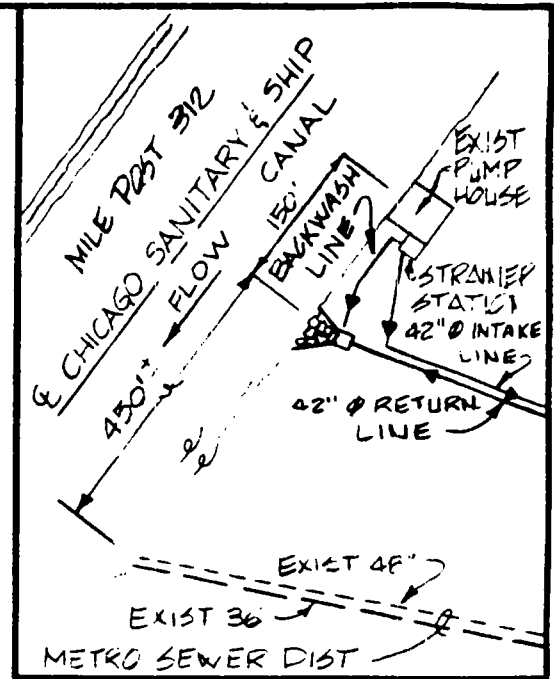
Withdrawal of cooling water from the Chicago Sanitary and Ship Canal will be increased to 61.5 MGD using the existing pump house and intake structure. Spent cooling water will be discharged back to the Canal via a new discharge structure as shown in Figure 3 which follows.

The plant cooling water system is a non-contact once through design. A block flow diagram showing the cooling water system is shown in Figure 4. No treatment of cooling water will be practiced. Since the cooling system is a non-contact design, the chemical characteristics of the canal water will not be altered from the intake condition. The maximum expected temperature rise between intake and outfall is 20°F (11.1°C). The maximum temperature range of canal water at the Lockport gauging station is 42.8°F - 77.9°F as reported by the U.S.G.S. The thermal contribution of the cooling water discharge will not cause a violation of the water quality standards of Section 302, Subpart D for Secondary Contact and Indigenous Aquatic Life Standards.

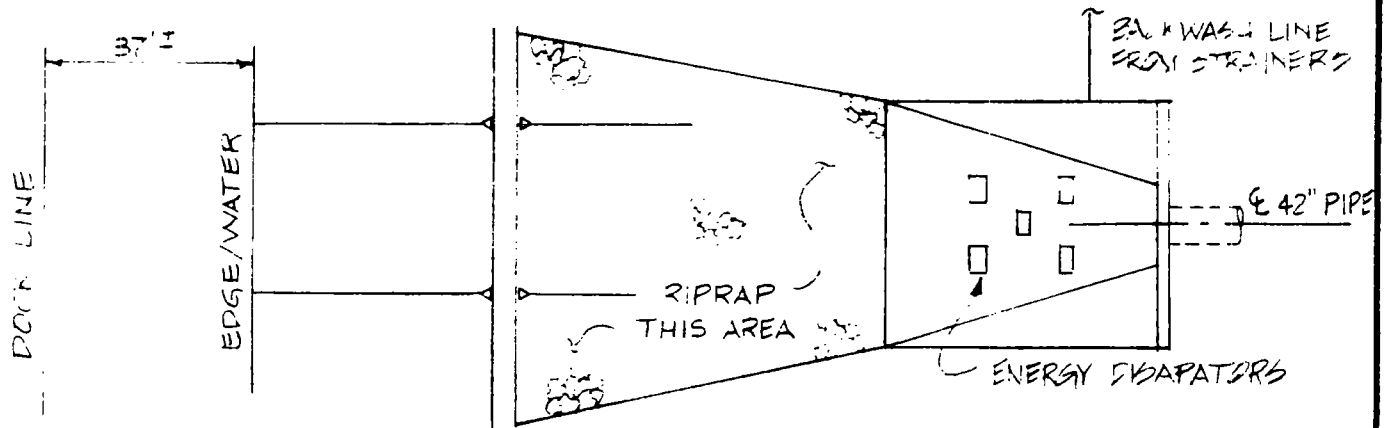
The cooling water discharge line is equipped with a sampling valve for taking grab samples required for temperature monitoring.



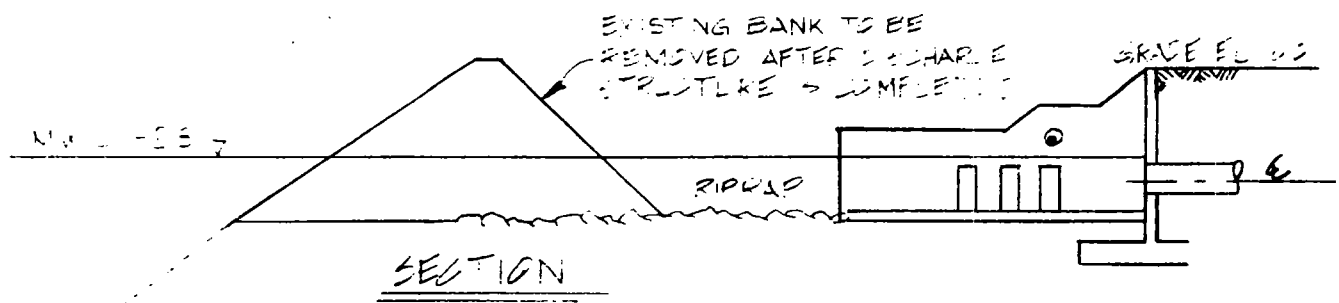
<p>THIS DRAWING OR PART IS THE PROPERTY OF DANIEL ENGINEERING. IT IS TO BE USED ONLY FOR THE PROJECT AND FOR THE PURPOSES SPECIFIED HEREON. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM DANIEL ENGINEERING.</p> <p>DATE: _____</p> <p>PROJECT: _____</p> <p>BY: _____</p> <p>FOR: _____</p>	<p align="center">  DANIEL ENGINEERING <small>GREENVILLE SOUTH CAROLINA</small> </p>	<p align="center"> CPC - ARGO SITE VICINITY MAP </p>	<p> NONE 7444 FIGURE 1 </p>
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VICINITY MAP



PLAN



SECTION

LIST OF ADJACENT PROPERTY OWNERS

NO.	NAME	ADDRESS
1.		
2.		
3.		
4.		

PROJECT DESCRIPTION:

CPC - INTERNATIONAL
COOLING WATER OUTFALL

LOCATION:

SUMMIT- ARGO, ILL
SK-CE1

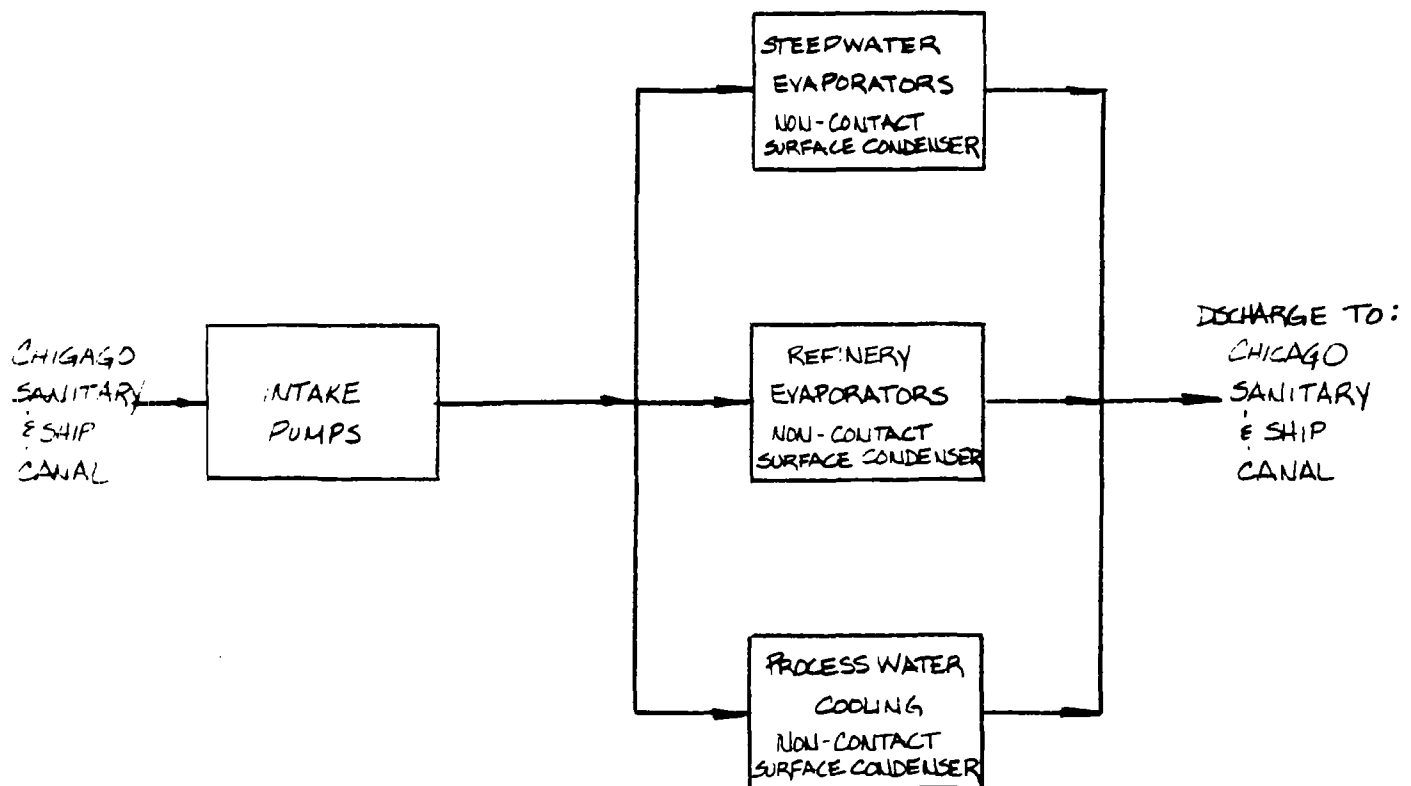
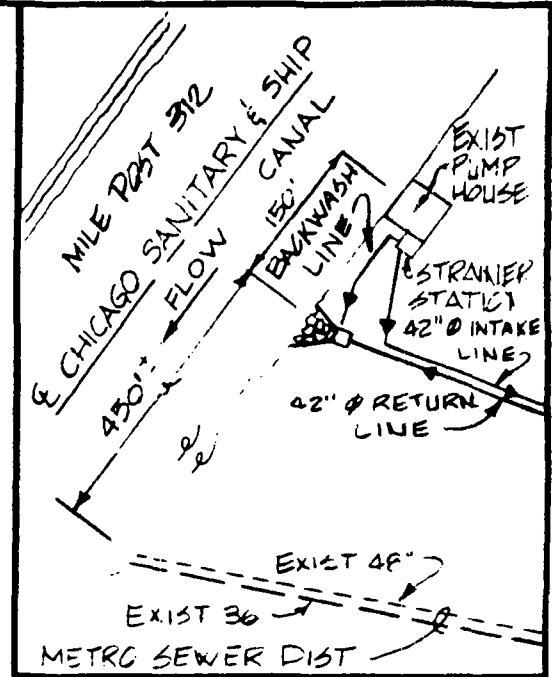


FIGURE 4

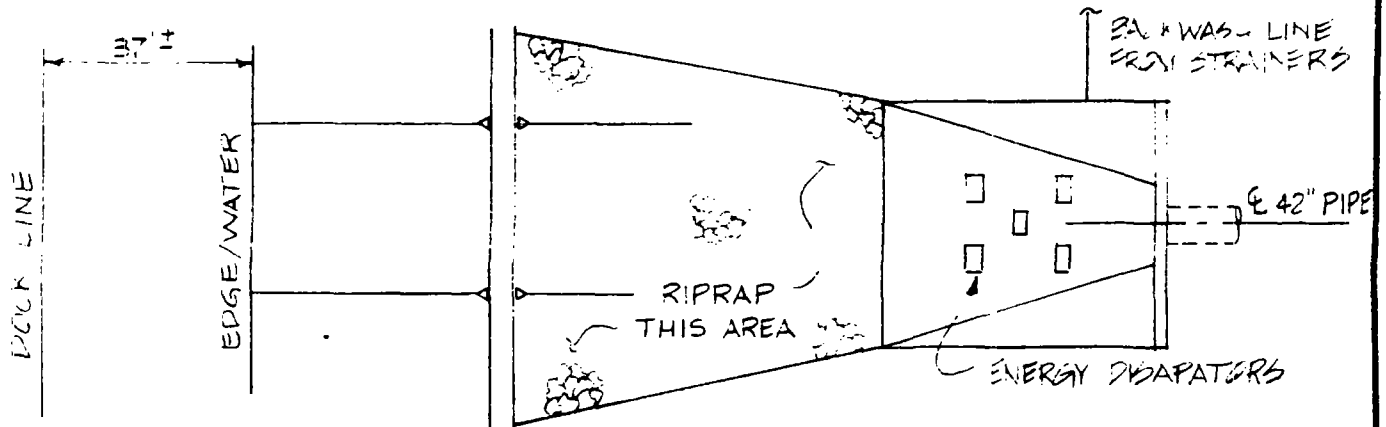
CLIENT <u>CPL - INT</u>	DEPARTMENT _____
PROJECT _____	ORIGINATED BY <u>JP</u> DATE <u>4-12-84</u>
ENG. COMM NO _____ PROJECT NO _____	CHECKED BY _____ DATE _____
AREA <u>COOLING WATER BLOCK FLOW DIAGRAM</u>	REVISION NUMBER _____ DATE _____
SUBJECT _____	REVISED BY _____

JOINT APPLICATION FORM

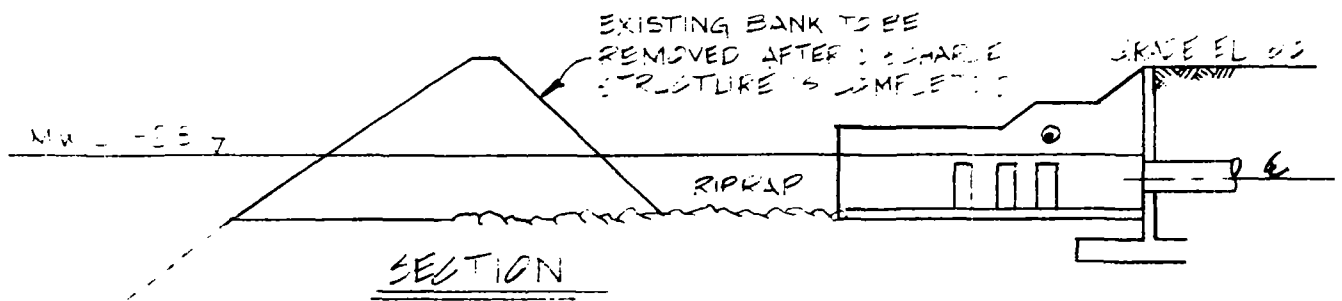
1. Application Number (To be assigned by Agency)	2. Date <div style="display: flex; justify-content: space-between; font-size: small;">DayMonthYear</div>	3. For Agency use only (Date Received)										
<div style="display: flex;"><div style="width: 50%; vertical-align: top;">4. Name and address of applicant CPC International 6400 Archer Road P.O. Box 345 Summit-Argo, IL 60501 Telephone no. during business hours A/C (312) <u>458-2000</u> A/C (312) <u>458-2000</u></div><div style="width: 50%; vertical-align: top;">5. Name, address, and title of authorized agent Mr. James Chapman CPC International 6400 Archer Road P.O. Box 345 Summit-Argo, IL 60501 Telephone no. during business hours A/C (312) <u>458-2000</u> A/C (312) <u>458-2000</u></div></div>												
6. Describe in detail the proposed activity, its purpose, and intended use. If additional space is needed, attach additional support information to each agency application. Construct an outfall for return of closed loop non-contact cooling water to the Chicago sanitary and ship canal. Project includes placement of 200 yd ³ of stone rip rap, 25 yd ³ of concrete and removal of 900 yd ³ of soil from the existing bank upon completion of discharge structure. No dredging is required. Velocity from outfall structure will be 1 - 2 Fps.												
7. Names, addresses, and telephone numbers of all adjoining and potentially affected property owners, including the owner of subject property if different from applicant. Indiana Harbor Belt Railroad (north) GATX (south)												
<div style="display: flex;"><div style="width: 50%; vertical-align: top;">8. Location of activity Address: <u>6400 Archer Road</u> Street, road, or other descriptive location <u>Summit-Argo (Bedford Park)</u> In or near city or town <div style="display: flex; justify-content: space-between; font-size: small;"><u>Cook</u> County<u>ILL</u> State<u>60501</u> Zip Code</div></div><div style="width: 50%; vertical-align: top;">Legal Description: <div style="display: flex; justify-content: space-between; font-size: small;"><u>14&23</u> Sec.<u>38</u> Twp.<u>North</u> Rge.<u>Third</u> P.M.</div> Tax Assessor's Description (if known): <div style="display: flex; justify-content: space-between; font-size: small;"><u>Map No.</u><u>Subdiv. No.</u><u>Lot No.</u></div> Name of waterway at location of the activity <u>Chicago Sanitary & Ship Canal</u></div></div>												
9. Date activity is proposed to commence <u>May 7</u> Date activity is expected to be completed <u>90 days from commencement</u>												
10. Is any portion of the activity for which authorization is sought now complete? <u>Yes</u> <u>XX</u> No If answer is "Yes" give reasons in the remark section. Month and Year the activity was completed _____ Indicate the existing work on drawings.												
11. List all approvals or certifications required by other federal, interstate, state, or local agencies for any structures, construction, discharges, deposits, or other activities described in this application. If this form is being used for concurrent application to the Corps of Engineers, Illinois Department of Transportation, and Illinois Environmental Protection Agency, these agencies need not be listed. <table style="width: 100%; border-collapse: collapse;"><thead><tr><th style="text-align: left; border-bottom: 1px solid black;">Issuing Agency</th><th style="text-align: left; border-bottom: 1px solid black;">Type Approval</th><th style="text-align: left; border-bottom: 1px solid black;">Identification No.</th><th style="text-align: left; border-bottom: 1px solid black;">Date of Application</th><th style="text-align: left; border-bottom: 1px solid black;">Date of Approval</th></tr></thead><tbody><tr><td>IEPA</td><td>NPDES</td><td></td><td></td><td></td></tr></tbody></table>			Issuing Agency	Type Approval	Identification No.	Date of Application	Date of Approval	IEPA	NPDES			
Issuing Agency	Type Approval	Identification No.	Date of Application	Date of Approval								
IEPA	NPDES											
12. Has any agency denied approval for the activity described herein or for any activity directly related to the activity described herein. <u>Yes</u> <u>X</u> No (If "Yes", explain in remarks.)												
13. Remarks												
14. Application is hereby made for authorizations of the activities described herein. I certify that I am familiar with the information contained in the application, and that to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities. <div style="text-align: center; margin-top: 20px;">_____ Signature of Applicant or Authorized Agent</div>												



VICINITY MAP



PLAN



SECTION

LIST OF ADJACENT PROPERTY OWNERS

NO.	NAME	ADDRESS
1.		
2.		
3.		
4.		

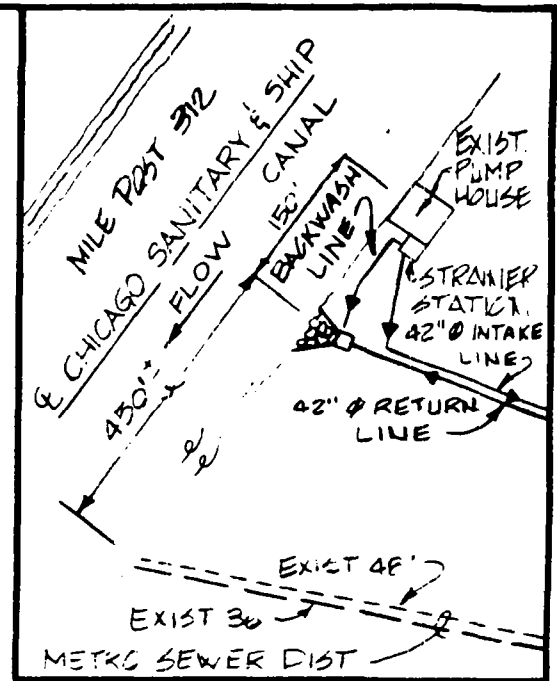
PROJECT DESCRIPTION:

CPC - INTERNATIONAL
COOLING WATER OUTFALL

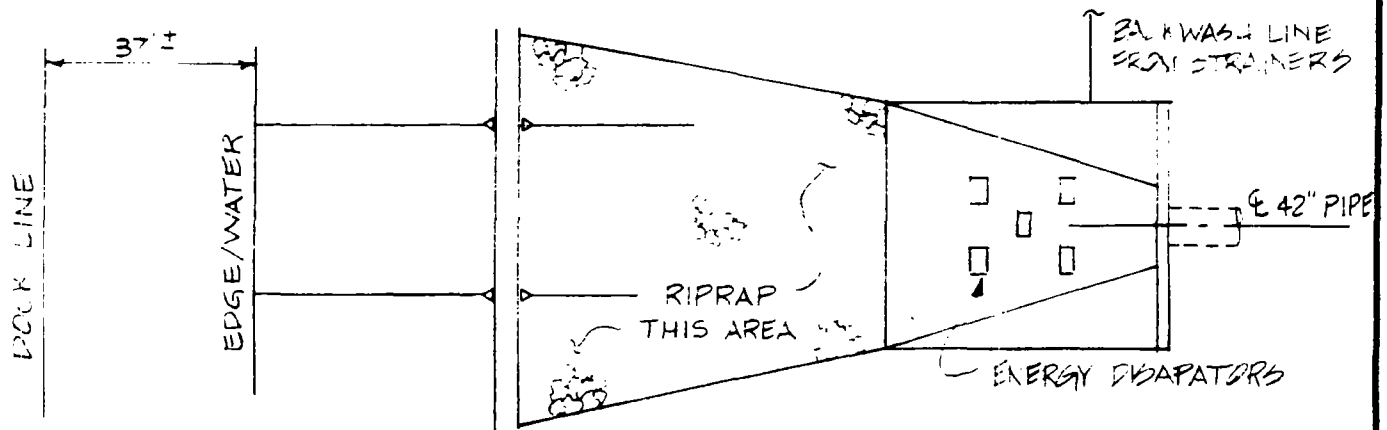
LOCATION:

SUMMIT-ARGO, ILL

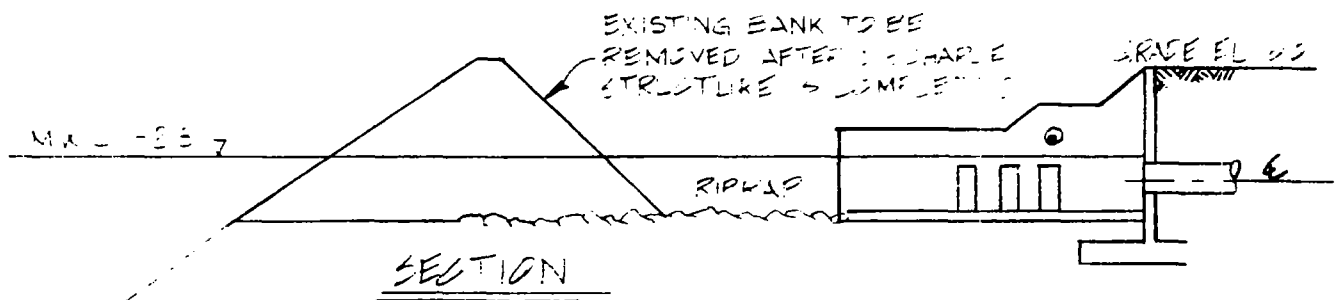
SK-CE1



VICINITY MAP



PLAN



SECTION

LIST OF ADJACENT PROPERTY OWNERS

NO.	NAME	ADDRESS
1.		
2.		
3.		
4.		

PROJECT DESCRIPTION:

CPC - INTERNATIONAL
COOLING WATER OUTFALL

LOCATION:

SUMMIT- ARGO, ILL
SK-CE1

Corn Products
a Unit of CPC North America

Moffett Technical Center, Box 345, Summit-Argo, IL 60501, (312) 458-2000
May 8, 1984

Timothy R. Kluge, P.E.
Manager, Industrial Unit
Permit Section
Division of Water Pollution Control
Illinois Environmental Protection Agency
2200 Churchill Road
Springfield, Illinois 62706

0517A-84
RECEIVED

MAY 11 1984

Environmental Protection Agency
WPC—Permit Log In

Dear Tim:

Enclosed are the sealed construction permit applications for our discharge of non-contact cooling water to the Chicago Sanitary and Ship Canal.

Further details you requested are:

1. Pipe will be 42 inch diameter carbon steel.
2. Pipe will have a 0.375 inch wall thickness.
3. Pipeline will have a total of 2,700 feet length.
4. Two horizontal and centrifugal and two vertical turbines will be rebuilt to increase capacity to 21,000 gpm normal 32,000 gpm maximum.
5. Line size is designed for future maximize operations.
6. Where buried bedding will be a class B according ASTM C-33 gradation # 8-3/8 inch to a # 8 stone from 4 inch below pipe up to the center line of the pipe.
7. Pipe will be coated and wrapped to AWWA spec C214-83.

We are currently preparing a construction specification package for this work, and I am enclosing the specifications for trenching, backfilling and compaction number 02221, the specification for structure backfill and compaction number 02226 and the specification for installation inspection and testing for the canal water carbon steel pipe number 15060-7444.

I very much appreciate your call for the additional information you required and hope this satisfies those needs so that a construction permit can be issued and the NPDS permitting initiated. Should there be any further questions please do not hesitate to call.

Best regards,



J. W. Chapman
Director, Regulatory Affairs
Energy Utilization

JWC/ps

EPC enclosure
cc: S. Randolph
International

Corn Products
a Unit of CPC North America

031012ABI

Moffett Technical Center, Box 345, Summit-Argo, IL 60501, (312) 458-2000

RECEIVED April 17, 1984

APR 23 1984

Environmental Protection Agency
Division of Water Pollution Control
Regional Office
Springfield
State of Illinois

RECEIVED

APR 19 1984

IEPA - DAPC - SPFLD

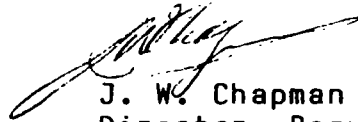
Mr. Bharat Mathur
Manager Permit Section
Division of Air Pollution Control
Illinois Environmental Protection Agency
2200 Churchill Road
Springfield, Illinois 62706

Dear Bharat:

Inadvertently we sent applications for the NPDES permit and the construction permits without signatures. Please keep the copy you have received for your working file. Signed copies are provided for both the State and the US Corp of Engineers.

If there is any information that you may need or any questions on our permit applications please call.

Best regards,



J. W. Chapman
Director, Regulatory Affairs
Energy Utilization

JWC/ps
enclosure
cc: S. Bergman

Corn Products
a Unit of CPC North America

0517-84

Moffett Technical Center, Box 345, Summit-Argo, IL 60501, (312) 458-2000

Moffett Technical Center
April 13, 1984

*CPR
PT transfer
with note*

Mr. Bharat Mathur
Manager Permit Section
Division of Air Pollution Control
Illinois Environmental Protection Agency
2200 Churchill Road
Springfield, Illinois 62706

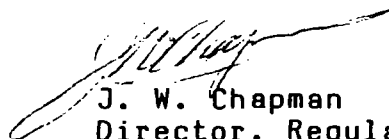
RECEIVED
APR 16 1984
IEPA-DAPC-SPFLD

Dear Bharat:

Enclosed are the applications for the NPDES permit, the State permit for construction and the tri-agency permit for construction for our outfall to return canal water back to the Metropolitan Santuary Canal. With a copy of this letter I am providing 2 copies of the same enclosures to the US Corp of Engineers Chicago District.

Should there be any matter that is not clear in our permit applications or futher clarification that you need please do not hesitate to call.

Best regards,



J. W. Chapman
Director, Regulatory Affairs
Energy Utilization

RECEIVED

JWC/ps
enclosure

cc: A. C. Kantor (n/e)
B. Kastory (n/e)
S. Randolph (n/e)
S. Bergman US Corps of Engineers

APR 17 1984
Environmental Protection Agency
Division of Water Pollution Control
Permit Section
State of Illinois



Illinois Environmental Protection Agency · 2200 Churchill Road, Springfield, IL 62706

217/782-2113

70
RM.FK
RECEIVED

April 5, 1984

APR 5 1984

Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section-Springfield
State of Illinois

Mr. J.W. Chapman
Corn Products
Box 345
Summit-Argo, IL 60501

Dear Jim:

With regard to your proposed discharge of non-contact cooling water to the Chicago Sanitary and Ship Canal, NPDES Permit-application forms were provided during our March 28 meeting. Enclosed are application forms for a construction permit for the discharge sewer, as required by 35 Ill. Adm. Code 309.202.

Mr. Kluge of the Division of Water Pollution Control has indicated that the NPDES Permit, when issued, will require monitoring for temperature and will limit the temperature to a level which will not cause a violation of the water quality standard of Section 302, Subpart D, other parameters may be monitored and/or limited depending on the results of review of your application. Monitoring of discharge temperature at a representative location within the plant rather than at the point of discharge to the canal will be acceptable.

Sincerely,

Bharat Mathur, P.E.
Manager, Permit Section
Division of Air Pollution Control

BM:CPR:meg

cc: T. Kluge, DWPC